

(DC-5963)

Specialized Production of State Farms, by
Miroslav Zich, 9 pp. GOVERNMENT USE ONLY

CZECH, per, Statni Statky, Vol V, No 4, 1962,
pp 75-76.

4

JPRS 13604

EUR - Czechoslovakia
Econ
May 62

194, 288

~~63-10556~~ I. Schmid, E. and others.

COMPARATIVE INVESTIGATIONS ON THE ONSET AND DURATION OF ACTION OF NEA DEXAMETHASONE AND PREDNISOLONE ESTERS IN HISTAMINE AND SEROTONIN ASTHMA IN GUINEA PIGS (Vergleichende Untersuchungen über Wirkungseintritt und Wirkungsdauer Neuer Dexamethason- und Prednisolon-Ester am Histamin- und Serotonin-Asthma des Meerschweinchens). [1962] 14p. (figs., refs., tables omitted) 4 refs.

Order from NSA \$1.60

63-10556

Trans. of Arzneimittelforschung [West Germany] 1960, v. 10, no. 10, p. 831-834.

DESCRIPTORS: Drugs, *Progesterone, Esters, *Corticosteroid agents, *Asthma, Serotonin, Histamine, Laboratory animals, Guinea pigs.

(Biological Sciences--Pharmacology, IT, v. 10, no. 2)

63-10556

I. Zichner, L.
II. Schmid, E.

Office of Technical Services

Zicher, L. M. and Fischer, E.
EFFECT OF METHOXADONE ON THE PSYCHO-
MOTOR ACTIVITY OF THE MOUSE. [1961] 3p.
Order from ATS \$5.00

ATS-05N51SP

Trans. of Asoc[acion] Médica] Argentina, Buenos
Aires] Rev[ista] 1960, v. 74, no. 9, p. 531-533.

DESCRIPTORS: *Nervous system. *Neuromuscular
transmission. *Drugs.

(Biological Sciences--Pharmacology, TT, v. 1, no. 2)

61-22338

- I. Title: Methoxadone
- I. Zicher, L. M.
- II. Fischer, E.
- III. ATS-05N51SP
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

On Sound-Sensitive Flames, by H. Zick-
endraht. 120

GERMAN, per, Helvetica Physica Acta.

Vol 14, No 3, 1941, pp 195-214.

NLL Ref: 9022.9 (1143)

Sci-Phys
Mar 60

377,039

The Hypnokinogram as Compared to the
Double Blind Experiment for the Evaluation
of a New Hypnotic, by H. Zickgraf.
GERMAN, per, Aerztliche Forschung, Vol 18,
No 8, 1964, pp 427-429,
SLA TT-66-10102

H. Zickgraf

Bridge for Very Small Capacity Measurements, by
G. Zickner, 7 p.

GERMAN, per, Elektrische Nachrichten-Technik, 1930,
Vol VII, No 11, pp 443-448.

SLA 60-10270

Sci
Apr 60
Vol III, No 3

112, 143

Automatic Handling of Physical Processes, by
A. Schulze, C. Kiekner, 7 p.

GERMAN, per, Verein Deutscher Ingenieure Zeit,
1930, Vol. LXXIV, No 39, pp 1359-1362.

SLA 59-20339

Sci
Eng Co
Vol 2, no 39

109,135

Progress Report on the Development of the
Rumanian Aluminum Industry, by Ion Margineanu,
Stefan Zidarita, 5 pp.
RUMANIAN, np, Scintila, Vol XIII, III, No 6272,
30 May 1964, p 3.
JPRS 25448

14

EE-Rumania
Econ
Aug 64

265,187

Experimental Solution of the Dirichlet Problem
For a Halfspace, by D. Zidarov, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz,
No 12, 1973, pp 1458-1462.

Amer Geophys Union

Sci

Feb 60

106,674

(FDD 26539)

Electromagnetic Model for Solving the Direct Problem
of Magnetometry and Gravimetry, by D. Zidarov, 9 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Ser Geofiz, No 5,
Moscow, 1955, pp 464-467.

CIA/FDD U-8444

~~36,880~~

SSR

Sci - Geophysics, physics

8 6 4 4

Possibilities of Improving the Quality of
Railway Tyres by Making Them From Round Rolled
Billets, by Zidek, Pejnoch. UNCLASSIFIED

CZECH, per, Hutnicko Listy, Vol XI, Dec 1956,
pp 709-713.

Iron and Steel Inst Tr 807
(L3.O.O)

Sci - Min/Met
Aug 58

71,730

on the Influence of Copper on the Recrystallization
Temperature of Low-Carbon Steels, by M. Sladk.

Metall. i. Stal. Druzhnaya. Mosk., Nov 1959, pp 943-947.

DISI 1007

Sci. Eng. 1960

10p 100

127,195

Hot Rolling of Thick Steel Plate Clad on One Side
With Stainless Steels, by M. Zidek, B. Glats. UNCL

CZECH, per, Hutnicke Listy, Aug 1958, pp 679-687.

British Iron and Steel Ind 1329

Sci - Min/Met
Aug 59

93, 198

The Effect of Quenching From Final-Pass Rolling
Temperatures on the Properties of Thick Steel
Sheet of Ultimate Tensile Strength 52-60 kg/mm²
(55-65 tons/sq. in.), by M. Zidek. UNCL

CZECH, p-r, Hutnik, May 1958, pp 151-159.

British Iron and
Steel Ind 1155
(16 15s. G.)

Sci - Min/Int
Apr 59

84,348

Experimental and Clinical Investigations With a
New Isoprenaline-like Compound, by R. Zidek, 28 pp.

GERMAN, per, Therapiewoche, Vol XI, 1961,
pp 545-552.

CIA/FID X-4833

Sci - Med

Mar 62

190,075

TOBAG A MORE RAPID GROWTH OF INCOMPLETE
CONSTRUCTION, BY NEWSPAPER TRILICHY, 5 PP. COVER.
NEW USE ONLY

CHECK, PER, PLANNING HOSPITALITY, NO 2, 1963.
PP 77-82.

JUNE 1963

EL-CHECK
ECON
OCT 63

240,576

Investigations on a Pottinger Gear, by E. Ziebart,
33 p.

GERMAN, per, Verein Deutscher Ingenieure, Zeit,
1953, Vol XCV, No 30, pp 1027-1036.

SLA 59-17852

Sci
Feb 60
Vol 2, No 9

107,086

(DC-6913)

THE SOVIET PETROLEUM ECONOMY, BY PAUL ZIEBER,
177 PP.

GOVERNMENT USE ONLY

GERMAN, BK, DIE SOWJETISCHE ERDOELWIRTSCHAFT,
1962, PP 119-166, 210-264.

JPRS 14665

USSR
ECON

205,755

(87-188)
Soviet Slapping and Noble Remission: The Red Expon
Society of the USSR, by Paul Zichan, 1 pp.

GRAND, np, Die Zeit, 10 Feb 1961, p 17.

JPRS 1602

USSR

Topic

Jan 61

154 483

(SF-1576)

The Integration of the Eastern Bloc Means Lucrative
Business for Moscow, by Paul Zieher, 7 pp.

GERMAN, sp, Die Zeit, No 26, 1961, p 18.

JPRS 4859

Euras - Soviet Bloc

Econ

Aug 61

164, 9846

Centrosymmetric Anisotropic Mixtures of Paraffinic
and Aromatic Hydrocarbons With Benzene,
Benzene and Water. Part V, by K. Sieborak,

POLISH. per, Roczniki Chem, Vol XXV, 1951.
pp 333-391.

ATS PJ-2103

Sci - Chem

May 50

115 396

Chemical and Weight Composition of the 71
 Digestible Parts, the Waste and the Contents
 of the Flounder (Pleuronectes Flesus L.)
 Caught in the Zone of the Bay of Gdansk -
 Initial Annual Cycle, by Marian Ziecik. 1964.
 PUBLISHED, per. Zeszyty Naukowe Wyższej Szkoły
 Rolniczej w Olsztynie, Vol 16, No 3, 1964,
 pp. 203-250.

• CISTI TI 66-57667

MARIAN ZIECIK

11-011111

101/101

101/101

197,350

The Nutrition of the German People (Raw Milk &
Whey Beverage), by W. Ziegelmayr, 13 pp.

GERMAN, no journal cited, 1947, pp 402-407.

SLA 57-1207

Sci - Medicine
Mar 58

60,636

THE MOST IMPORTANT CHANGES IN 1962 INVESTMENT
REPORTING, BY STEPHEN MOORE, AMERICAN ZINGER,
14 PP.

GERMAN, FED. STATISTISCHE BUREAU, NO 1, 1963,
PP 13-15, 23-24.

FEB 18 1963

SEAR - GERMANY
ECON.
APR 63

885.787

Zieger, H.
EXAMINATION OF THE BEHAVIOR OF SOLVENTS
AND BINDER SOLUTIONS DURING ELECTROSTATIC
SPRAYING, 1961, 3000 words.
Order from TTIS \$25.00

TTIS 2312

Trans. of Plaste und Kautschuk (Germany) 1961, v. 8,
July, p. 387-391.

DESCRIPTORS *Sprays, Organic solvents, Binders,
Solutions.

(Materials--Plastics, TT, v. 7, no. 2)

61-25683

I. Zieger, H.
II. TTIS-2312
III. Translation and Technical
Information Services
(Gl. Brit.)

115333

Office of Technical Services

About a Method for the Experimental Determination
of the Flux Distortion in a Heterogeneous Reactor
Structure, by A. Ziegler, 39 pp.

GERMAN, per, Nukleonik, Vol 8 I, 1959, pp 295-305.

ABC UCRL-Trans-631(L)

Sci - Phys
May 61

150,384

The Multi-Purpose Research Reactor, by A. Ziegler.
R GERMANY, per, Atomwirtschaft, Vol VII, No 1, 1962,
pp 17-26.

AEC-Risley Tr 595
Available on loan only

Sci
Jan 65

A New Method of Plasma Generation for Ion Sources,
by A. Ziegler, 6 pp.

GERMAN, per, Z Angew Phys, Vol X, 1958, pp 185-186.

ABC UCRL-Trans-589(L)

Sci - Phys
19 Jan 61

137,337

108
The Karlsruhe Multi-Purpose Research Reactor,
by A. Ziegler.
GERMAN, post, Atomwirtschaft, Vol 7, No 1, 1962,
pp 17-26.
*ANC 2616

A. Ziegler

Sci - Nuclear Science
Aug 67

Ion Sources, by Albert Ziegler, 10 pp.

GERMAN, patent, 1,001,429, JUNE 27 June 1955.

ABC-Tr-5809

Sci - Nucl Sci

Aug 63

341,320

The Nuclear Absorption Cross-Section for Gamma
Rays Between 10 and 30 M.e.v, by B. Ziegler, 12 pp.

GERMAN, per, Z Physik, Vol CLII, 1958,
pp 566-573.

AEC AERE Tr-839

Sci - Phys
Aug 60

124,621

Nuclear Absorption Cross- Section for
Gamma Rays Between 10, and 30 MeV, by
B. Ziegler,

GERMAN, per, Zeit fur ~~Sci~~ Physik, Vol CLIII,
No 5, pp 565-573, 1958

C.S.I.R.O.
*AEC

Sci - Nuc/Phys
May 60

116,123

48
Report on the Large-Scale Experiment of Adding
Fluoride to Household Milk in Winterthur, by
E. Ziegler.
GERMAN, per, Helv Paediat Acta, No 19, 1964,
pp 343-354.
HEW MIN
2-7-69

E. ZIEGLER

Sci/BAM
Apr 69

380,800

ATP-Content of the Sieve-Tube Sap of
Hardwood Species, by H. Ziegler, M. Kluge.
GERMAN, per, Planta, Vol 61, No 2, 1964,
pp 77-167
CSIRO/No 7166

H/ ZIEGLER

Sci -
Jul 67

334,527

Experimental Detection of Mass Flow in the Phloem of
Heracleum Mantegazzianum Sonn. et Lev., by H.
Ziegler, G. Vieweg.
GERMAN, per, Planta, Vol 56, No. 4, 1961, pp 402-408
CSIRO/No. 6827

H. ZIEGLER

Sci -
July 1967

334-439

Ziegler, Karl.
PROCEDURE FOR THE PRODUCTION OF POLY-
ETHYLENE WITH HIGH MOLECULAR WEIGHT
SUITABLE FOR USE AS SYNTHETIC SUBSTANCE.
30 Nov 55, 13p.
Order from OTS or SLA \$1.60

63-10871

Trans. of Belgian patent 533,362, 16 Nov 54, German
appl. 17 Nov 53, 15 Dec 53 and 23 Dec 53.
Another trans. is available from OTS or SLA \$1.60
as 62-16335, 30 Nov 55, 13p.

DESCRIPTORS: *Ethylenes, Polymers, Molecular
weight, Production, Catalysts, Free radicals, Metallic
compounds, Valence, Chemical reactions, Peroxides,
Polyethylene plastics.

(Chemistry--Organic, TT, v. 10, no. 3)

63-10871

- I. Ziegler, K.
- II. Patent (Belgium) 533 362

Office of Technical Services

Process for Producing Tetraalkyl Lead, by
Karl Ziegler, 9 pp.

BELGIAN, Patent No 575,641.

ZUS Rept. 97071

Sci
Feb 62
Vol III, No 11

182,789

Metallo-Organic Compounds. XIX. Reaction of the
Aluminum-Hydrogen Combination With Olefins, by
Carl Ziegler, 56 pp.

GERMAN, per, Justus Liebigs Annalen der Chemie,
Vol DLXXXIX, 1954, pp 91-121.

SLA T: 877/1955

Sci - Phys

50, 126

Jul 57

A Process for the Manufacture of Organic Alkali
Metal Compounds. Inventor Carl Ziegler, 7 pp.

GERMAN, patents 487,727, 7 Jan 1930.

CIA/FDD XX-747
NOT RELEASABLE TO FOREIGN NATIONALS

Sol - Engr
Jan 60

USIA INTERNAL USE ONLY

105,541

Dam Foundations in Igneous Rock, by D. P. Ziegler.

**GERMAN, Der Bauingenieur, Vol 18, No 25/26, Jun 24,
1937, pp 369-373.**

USA Corps of Engr, Waterways Exper Sta Tr 38-22

Sci - Engineering, hydraulics, naval

Econ - Transportation, river, water

A1348

Available on loan at Research Center Library

On the Dispersion of the Incommensurate in Solid
Crunching Collapsing Tubes I., by E.
Master, E. Ziegler.

GERMAN, per, 2. fuer Physik, Vol CXLVI,
1950, pp 271-294.

CSIRO

Sci - Phys
Jul 62

207,608

The Effect of Surface Active Substances on the
Crushing of Solids, by E. Ziegler.

GERMAN, par. Schriftenreihe der Zementindustrie,
No 19, 1956, pp 1-75.

CSIRO 3812

Bel. Chem
Jun 62

203,329

The Effect of Surface Active Substances on the
Crushing of Solids, by E. Ziegler.

GERMAN, per, Schriftenreihe der Zementindustrie,
Nr. 19, 1956, pp 1-75.

CSIRO 3812

Ref. Chem
Jun 62

203.329

Critical Considerations on the Fluorine Dosage in
the Different Methods of Caries Control With
Fluorine, by E. Ziegler, 14 pp.

GERMAN, par, Schweiz Med Wschr, No 10, 1956,
pp 252-254.

NIH 9-16

Scientific - Medicine
Nov 56 CTB

40, 412

Principles and Applications of Dynamical Differential
Calorimetry, by H. E. Schwiete, G. Ziegler, 39 pp.

GERMAN, per, Berichte der Deutschen Keramischen
Gesellschaft, Vol XXXV, No 6, 1958, pp 193-204.
9093309

AEC NP Tr-837

Sci - Engr
Apr 62

191,290

Intensity and Lattice Constant Measurements
on Martensite and Austenite, by E. Hanks,
G. Ziegler.

72
GERMAN, per. Martensite-Austenite, Vol 22,
1967, pp 296-308.
NLL Ref: 9022.4 (68/36)

G. ZIEGLER

Sci-Mat
Jan 69

372.654

Vaporization in Floating Zone, by G. Ziegler, 5 pp.

GERMAN, per, Z Metallkunde, Vol XLIX, No 9, 1958,
pp 491-494.

SIA 59-10732

Sci - Chem

Vol 2, No 1

97,312

The Stability of Vertical Molten Zones, by
W. Heywang, G. Ziegler, 4 pp.

GERMAN, per, Z. Naturforschung, Vol X/ IIa,
1954, pp 561,562.

S.L.A. Tr 1243

Sci - Min/Metals
Jan 57 CTS

42,618

On the Kinetics of the Ageing of Aluminium-Silver
Alloys, Part IV, by G. Ziegler

GERMAN, per, Z Metallkunde, Vol XLIII, Jun 1952,
pp 213-216.

Fulmer Research Institute
46 OT/701

Scientific - Minerals/Metals
CTS/DEX

8912

Ziegler, Günther.
PROCESS FOR MANUFACTURING SINGLE CRYSTAL
SEMICONDUCTOR LAYERS [Verfahren zur
Herstellung von Einkristallinen Halbleiterschichten]
tr. by F. H. B. 11 Mar 61, 8p. (2 figs. omitted)
3 refs.

Order from OTS or SLA \$1.10

61-19847

Trans. of German Auslegungsbuch (DAS) 1,029,941, cl.
21g, 11/02, Internat. cl. H 01 L, by Siemens and Halske
Aktiengesellschaft, appl. 13 July 55, announced and
laid open to inspection 14 May 58.

DESCRIPTORS: *Semiconductors, *Single crystals,
Growth, Semiconducting films.

The invention relates to a process for producing semi-
conductor crystal layers with p-n transition regions
from the gas or vapor phase, preferably by chemical
reaction, e.g., thermal decomposition and/or reduc-
tion, in the presence of a suitable reduction agent.
(Physics--Solid State, IT, v. 6, no. 3)

(over)

61-19847

- I. Ziegler, G.
- II. Patent (Germany) 1 029 941
- III. Patent Office, Washington,
D. C.

Office of Technical Services

Methods of Producing and Installing
Room-Height Dividing Walls, by H. Ziegler.

GERMAN, per, ~~BAU~~ Bauplanung und Bautechnik,
Vol XIII, No 9, 1959, pp 388-391.

CSIRO

Sci - Engr
Jun 62

203, 356

Thermoelectric Recording of the Rate of Transpiration Flow, I, by H. Vieweg, H. Ziegler.

GERMAN, per, Berichte der Deutschen Botanischen Gesellschaft, Vol. LXXIII, No 6, 1960, pp 221-226.

CSIRO 5384

Sci - Engr
Aug 62

207,344

Methods of Producing and Installing
Room-Height Dividing Walls, by H. Ziegler.

GERMAN, per, ~~WZ~~ Bauplanung und Bautechnik,
Vol XIII, No 9, 1959, pp 388-391.

CSIRO

Scl - Engr
Jun 62

103, 356

Thermodynamics and Rheological Problems, by
H. Meier, 68 pp.

GERMAN, per, Ingenieur-Archiv,
vol. XXV, No 1, 1957, pp 58-70.

SLA 60-18392

Sci
Vol IV, No 11
May 62

197, 942

Metoperoxides of the Thoraradione Series, by
G. O. Schenck, H. Ziegler, 3 pp.

GERMAN, par, Naturwissenschaften, Vol XXXVIII, 1951,
Rax8x pp 356.

CIA/PDD XX-359

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem

Doc 57

IAC INTERNAL USE ONLY --

56,144

Constitution and Color of Formazan Compounds,
by H. Ziegler.
GERMAN, per, Vlaamse Chemische Vereniging
Mededeelingen, Vol XX, No 1, 1958, pp 1-11.
TC-184

Sci
Apr 67 322,256

Composition of the "Pollination Drop" and
Mechanism of Its Exudation, by H. Ziegler.

GENTIAN, par, Planta, Vol LII, No 6, 1959,
pp 587-598.

CSIRO Tr-4638

Sci - Engr

118,542

Jun 60

(127-0)

On the History of Knowledge of the Various
Kinds of Mites and Their
Significance in the Treatment of Molluscs,
and G. Molluscs, 15 pp.

On the History of Knowledge of the Various
Kinds of Mites and Their
Significance in the Treatment of Molluscs,
and G. Molluscs, 15 pp.

JERS 11939

181, 370

Not a copy

The Scientific Foundations of Incompressible
Thermodynamics by Hans REISSIG, 23 pp.
CHINMAN, INC., Lancaster, ALABAMA, Vol. XXII,
No 4, 1964, pp 247-262. 900015
DOC REG -107

Sub-Header
July 64

251,120

A Key to Nearby Air Traffic, by Henri Ziegler,
6 pp. UNCL

GERMAN, per, Flugwelt, May 1960, 2 pp.

519th MI Bn
H-8518
ID 2162105

Sci - Aero
May 61

15,326

Process for Production of High-Molecular Weight
Polyethylene and New Polymerization Catalysts,
by Karl Ziegler, 12pp
HELMHOLTZ, patent 534,888, pub 14 Jan 55,
(Priority: Germany, appl 19 Jan 54)
SLA TT-64-20992

Karl Ziegler

Sci - Mat
June 67

327,505

Ziegler, K. [Editor, "Aluminum"] and others.
 New York: Interscience, 1961. 100 p. ALUMINUM
 (The McGraw-Hill series of Metallurgical Compounds).
 Includes bibliography. Experimental part includes
 properties of Al.
 Available from SJA \$2.60. 61-20862

Travis, C. [Editor, "Aluminum"] and others [Chemists].
 (Aluminum) (1961, v. 629 [no. 133] p. 33-49.
 Abstracts are available from SJA \$2.60 as
 61-20862 [no. 133] 29p.

61-20862. *Inorganic compounds, *Aluminum
 compounds, *Allyl radicals, Chemical reactions,
 *Chemical compounds, Synthesis

(Chemistry--Organic, FI, v. 7, no. 6)

61-20862

I. Ziegler, K.
 R. Köster, R.
 III. Title: Metallurgical Compounds

197058

Office of Technical Services

Ziegler, Karl.
IMPROVEMENTS OF POLYPROPYLENE AND METHODS
FOR THEIR PRODUCTION. [1962] 16p.
Order from RIS \$15.00 RIS rept. 96957

Trans. of Belgian patent application 562 918. [1957] by
Montecatini, Società Generale per l'Industria Mineraria
e Chimica, Milan (priority: Italy, 408,456, no. 18,027).

DESCRIPTORS: *Plastics, Polymers, *Propenes, Pro-
duction, Polymerization, Crystals, Catalysts, Titanium
compounds, Chlorides, Alkyl radicals, Aluminum com-
pounds, Organic solvents, Ethyl radicals, Hexanes,
Octanes, Vinyl chlorides.

(Materials--Plastics, IT, v. 9, no. 2)

62-22912

- I. Ziegler, K.
- II. Patent application
(Belgium) 562 918
- III. RIS-96957
- IV. Research Information
Service, New York

62-22912

Office of Technical Services

Process for the Preparation of Aluminum-
Hydrocarbons, Especially Trialkyls, Besides
Ex Cryolite, ~~xxx~~ by Karl Ziegler, 5 pp.

GERMAN, Patent Appln No Z-2838, 12 o, 26/03,
22 Apr 1954.

25,157

CIA/FDD/X-1710

Scientific - Chemistry Jul 55 CTS

Process for the Preparation of Aluminum Trialkyls,
by Karl Ziegler, 4 pp.

GERMAN, Patent Appln No Z-2681, 12 o, 26/03,
31 Dec 1953,

25,158

CIA/FDD/X-1709
FIS 14196255

Scientific - Chemistry

Jul 55 CTS

The Use of Polypropylene for Magnetic Tapes,
by Carl Ziegler, 3 pp.

FRENCH, Belgian Patent 550,234, 23 Aug 1956.

RIS Rept 95983

Sci

Vol 54 No 1

Mar 62

188,060

TT-65-13710

Field 11F

Ziegler, K.; Lehmkuhl, H.
PROCESS FOR THE PREPARATION OF ALKYL METALS
BY ELECTROLYSIS, 51p, 5refs.
Order from SLA: \$5.60 as TT-65-13710

Trans. of Patent (Belgium) 590 573.
Patented by Karl Ziegler, filed 6 May 60 (Priority:
Germany, appl. 6 May 59).
Another trans. is available from SLA \$3.60 as
TT-65-13204, 39p.

MR 663

Process for Regulating the Molecular Weight of
Substantially Linear, Highly Crystalline Head to-Tail
Olefin Polymers, by Montecatini, E. Ziegler, 18 pp.

GERMAN, Belgium Patent No 549,638, 1956.

Res Info Serv-96753
\$27.00

Sci
Aug 58

68,273

62
The Electrochemical Synthesis of Metal
Allyls, by K. Ziegler.
GITMAS, per, Chem. Ing. Tech., Vol 35,
1963, pp 325-331.
Chem Trans Sv 3168

K. Ziegler

Sci - Chemistry
Apr 87

325,272

Ziegler, Karl and Studel, Otto-Walter.
ELECTROLYSIS OF TETRAALKYLBORANATES IN
AQUEOUS SOLUTION. Pt. 42 of Metalorganic
Compounds. [1964] 11p
Order from K-H \$6.60

K-H-11927

Trans. of Justus Liebig's Annalen der Chemie (West
Germany) [1962] v. 652, p. 1-7.

See also TT-61-20463

(Chemistry--Physical, TT, v. 12, no. 1)

TT-64-12940

- I. Ziegler, K.
- II. Studel, O.-W.
- III. Title: Metalorganic...
- IV. K-H-11927
- V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

184835

Office of Technical Services

Ziegler, Karl and Köster, Roland.
PROCESS FOR THE PREPARATION OF COMPLEX
COMPOUNDS FROM ALUMINUM ALKYL AND
ALKALI FLUORIDES [Verfahren zur Herstellung von
Komplexverbindungen aus Aluminiumkohlenwasser-
stoffen und Alkalifluoriden]. (1955) [10p] 1 ref
Order from OTS, SLA, or ETC \$1.10 TT-64-14704

Trans. of German patent application Z 3584, 12 a,
26/03, filed 25 Jul 53, pub. 3 Feb 55, opposition until
3 May 55, supplement to patent 925,348.
Another trans. is available from RIS \$7.00 as
RIS-96259, 5p.

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-14704

- I. Ziegler, K.
- II. Köster, R.
- III. Patent application
(Germany) Z 3584
- IV. Patent (Germany)
925 348 suppl.

83314

Office of Technical Services

Ziegler, K[arl].
THE IMPORTANCE OF ALKALI METALLO-ORGANIC
COMPOUNDS FOR SYNTHESIS. [1963] 20p 33rate
Order from SLA \$1.60 TT-64-14708

Trans. of Angew[andte] Chem[ie] (Germany) 1936,
v. 49, no. 28, p. 455-460.
Another trans. is available from K-H \$20.00 as
K-H-3456-1 [1963] 20p.

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-14708

I. Ziegler, K.

83414

Office of Technical Services

Procedure for the Preparation of Complex Compounds
of Aluminum Hydrocarbons and Alkaline Fluorides, by
K. Ziegler, 4 pp.

GERMAN, Belgian Patent No 523,087, 26 Sep 1951;
1957, ~~Brussels~~, addition, 26 Jul 1953

2

25,165

CIA/RDD/X-1702

Scientific - Chemistry

Jul 55 CTB

62-20131

~~Ziegler, K.~~
THE MUELHEIM NORMAL PRESSURE POLYETHYLENE
PROCESS. [1962] [5]p. 14 refs.
Order from SLA \$1.10

62-20131

Trans. of Kunststoffe (West Germany) 1955, v. 45,
no. 11, p. 506-507 (unabridged version pub. in
Angew[andte] Chemie (West Germany) 1955, v. 67
[no. 19/20] p. 541[547]).

DESCRIPTORS: *Polyethylene plastics, Production,
*Ziegler catalysts, Catalysis, Theory, Ethylenes,
Polymerization, Pressure.

(Materials--Plastics, TT, v. 10, no. 1)

1. Title: Muelheimer process
1. Ziegler, K.

Office of Technical Services

Procedure for the Polymerization of Ethylene, by
K. Ziegler, 15 pp.

GERMAN, Belgian Patent 527,736, 30 Sep 1954,

527,736
CIA/FDD/X-1703

25,164

Scientific - Chemistry

Jul 55 CTS

Complex Organic Compounds of Aluminum, by
K. Ziegler, E. Holzkamp, 2 p.

GERMAN, per, Angew Chem, 1955, Vol LXVII, No 7,
pp 213-214.

ATS-241340

Sci
Mar 60
Vol 2, No 11

109,537

Process for Production of Hydrocarbon Aluminums,
Particularly Trialkylaluminums, beside Cryolite, by
K. Ziegler, 11 pp.

GERMAN, Patent No 921,450, 1954.

RIS Rpt 96261

Sci - Chemistry
Mar 58

59,771

Presumable Mechanism of Polymerization by
Alkali Metals (Preliminary Disclosure),
by K. Ziegler, K. Bahr.
GERMAN, per, Chemische Berichte,
Vol LXI, 1928, pp 253-263.
SLA TT 64-14902

K. Ziegler

May 67

327.195

Process for Production of Trialkylaluminums, by K.
Ziegler, 7 pp.

GERMAN, Patent No 911,731, 1954.

RIS Ref 96260

Sci - Chemistry
Mar 58

59,770

Terephthalic and Phthalic Acid by Oxidation of
Xylenes Resulting from Octon Acrometization,
by K. Ziegler, 9 pp.

GERMAN, Pat Appl 2 9647 (Int 916,054), 1953.

~~884783~~-96732

Rec. Info Serv

\$12.00

68,488

Sci

Jul 58

Process for Preparing Organic Compounds of Aluminum
and Beryllium, by K. Ziegler, 26 pp.

GERMAN, Patent No 917,006, 1954.

RIS Rpt 96259A

Sci - Chemistry
Mar 58

59,767

Process for Production of Crystalline Polystyrene,
by Montecchini, K. Ziegler, 11 pp.

BRIGIAN, Patent No 546,216, 1956.

RIS Rpt 96637

Sci - Chemistry
Mar 58

59,726

New Catalysts for Polymerization of Propylene, by
Montecatini, K. Ziegler, 11 pp.

BELGIAN, Patent No 543,576, 1955.

RIS Rpt 96593

Sci - Chemistry
Mar 58

59,722

1-9-58

New Catalysts for Olefin Polymerization, by
Montecatini and K. ~~W~~ Ziegler, 15 pp.

BELGIAN, pat, ~~no~~ 549,553, 1956.

Sci

Jul 58

82A/RIS-96755

Rec Info Surv

\$32.00

68,467

Process for Selective Polymerization of α -olefins
into crystalline or amorphous polymers, by
Montecatini, K. Ziegler, 65 pp.

FRENCH, Belgian Patent 543,259, 1955.

Res Info Sv Tr 96588

Sci

65, 9/6

Low-pressure process for production of High Molecular Weight Polyethylene usable as Plastics Material, by K. Ziegler, 24 pp.

FRENCH, Belgian Patent 533,362, 1955.

Ref Info Sv 96369

65,806

Low-pressure Process for Production of High-Molecular
Weight Polyethylenes and Catalysts for this Process,
by K. Ziegler, 21 pp.

FRENCH, Belgian Patent 534 792, 1955.

Ref Info Sv 96370

Sci

65,807

Polymerization of Ethylene and Other Olefines,
by K. Ziegler, 9pp.

ITALIAN, per, Chim e Industria, Vol XXXVII,
1955, pp 881, 882.

SLA/INSDOC-T-1993

Sci

Jul 58

68,487

The Mulheimer Normal Pressure Polyethylene Process,
by K. Ziegler, E. Holzkamp, H. Breil, H. Martin, 111

GERMAN, per, Angew Chem, Vol LXVII, 1955,
pp 541-547.

36,071
CIA/FDD XX 152

Scientific - Chemistry

Jun 56 CTS/dex

IAC INTERNAL USE ONLY

Directions for the Preparation of Phenylisopropyl
Methyl Ether and Phenylisopropylpotassium, by
K. Ziegler, 2 pp.

GERMAN,

~~CIA/PDD/XX-24~~
CIA/PDD/XX-24

IAC Internal Use Only

28/690

Scientific - Chemistry

Nov 55 CTS

New Developments in Organometallic Synthesis, by
K. Ziegler, pp 19-23

Khim. Nauka i Prom, Vol II, No 1, Moscow, Jan 1957.

Sci-Chem

ATS RJ-875

This translation appears to be a duplication of
Translation CIA/FDD XX-353 (Not releasable to For Natl)
and SL-57-1997.

Ziegler, K.
POLYMERIZATION OF ETHYLENE. [1962] [15]p.
5 refs.
Order from SLA \$1.60

62-20057

Trans. of Soc[ieté] Chim[ique de] France. Bull[etin]
1956 [no. 1] p. 1-6.

DESCRIPTORS: *Polymerization, *Ethylenes,
*Metalorganic compounds, Butenes, Polymers, Alumi-
num compounds, Polyethylene plastics.

(Chemistry--Organic, TT, v. 9, no. 10)

62-20057

1. Ziegler, K.

Office of Technical Services